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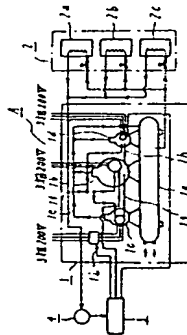
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PARALLEL COMPRESSION TYPE REFRIGERATOR

PURPOSE: To improve the extent of capacity transfer performance by controlling each compressor of large and small capacities for starting and stopping according to refrigerant pressure at the low pressure side, while controlling the output frequency of an inverter connected to a medium capacity compressor, in a device parallelly connecting three compressors difference capacity each.

- CONSTITUTION: In a device which secures required refrigerating capacity to refrigeration load of a cooling system 2 with showcases 2a-2c by a refrigerator A inclusive of three compressors 1b-1d different in large, medium and small capacities selected at almost 1:1.5:2 in each rated capacity ratio, there is provided with a pressure detecting element 4 which detects the refrigerating capacity at the low pressure side. In addition, an inverter 1i continuously controllable up to 50-125% of the rated capacity is connected to the medium capacity compressor 1c. Then, output frequency of the inverter 1i is controlled by a control part 3 according to output of the pressure detector 4, while these large and small capacity compressors 1b, 1d are controlled for their on-off operation, and thereby refrigerant pressure at the low pressure is converged on the specified setting value.

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